

In the Claims:

Amend the claims as follows.

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17. (Withdrawn - previously presented) Method of manufacturing an optical modifier, characterised by the preparation of at least two coupling devices with respective reflecting surfaces being arranged such that the light signal reflected from a first coupling device is directed towards a second coupling device, at least one wave-modifying element being arranged in the beam path between said at least two coupling devices, each of said reflecting surfaces being shaped from bulk material, as part of a surface of revolution with a section of a

cone as the generating curve of the envelope which are prepared by one of the steps of turning, milling and polishing while said material is in a chuck clamp, and turning a stop limit surface while said material is in the same chuck clamp in which the reflecting surface is turned or milled or polished.

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29. (Withdrawn - previously presented) A method of manufacturing an optical modifier having plural optical coupling devices, comprising the steps of:

    chuck clamping material of which the optical modifier is to be manufactured;  
    machining said material to form a first coupling device, said machining forming a curved reflective surface as a surface of revolution with a conic section as the generating curve of the envelope;

    machining a limit stop surface while said material is in the same chuck clamp position without removal;

    repeating the steps of machining said material and of machining a stop limit for at least a second coupling device and second limit stop surface, whereof said second coupling device is

the output side of said optical modifier and said first coupling device is the input side thereof;  
and

assembling said coupling devices to transmit optical waves there between with a wave  
modifying element positioned in the beam path between at least two said assembled optical  
coupling devices.

30. (Withdrawn - previously presented) The method of claim 29 wherein said machining is  
chosen from the group of: turning and milling.

31. (Withdrawn - previously presented) The method of one of claims 30 also including after the  
step of machining by one of turning and milling, the step of polishing the machined surface.

32.(Elected - currently amended) The method of manufacturing an optical modifier having  
coupling devices as a part thereof, comprising the steps of:

fabricating at least one negative being a mold with a surface formed as part of a surface  
of revolution with a section of a cone as the generating curve of the envelope;

preparing a surface on each negative corresponding to provide at least one limit stop on  
each molded positive made there from;

molding at least two positives from said negatives being the coupling devices; and  
arranging at least two at least one wave modifying element such that a light reflected  
from a first coupling device is directed towards a second coupling device;

wherein said fabricating step is performed by shaping each negative whereof said  
surface of revolution with a section of a cone as the generating curve of the envelope is  
prepared by at least one of the steps of turning, milling, and polishing.

33.(New) The method of claim 32 the step of fabricating includes the steps of:

chuck clamping material from which said negative molds are to be fabricated; and

machining said material to form a mold for a said coupling device, said machining forming a curved reflective surface as a surface of revolution with a conic section as the generating curve of the envelope.

34.(New) The method of claim 33 wherein the step of preparing to provide at least one limit stop includes:

machining a limit stop surface negative in said material while said material is in the same chuck clamp position without removal;

repeating the steps of machining said material to form a mold and of machining a stop limit negative for at least a second coupling device and second limit stop surface, whereof said second coupling device is the output side of said optical modifier and said first coupling device is the input side thereof.

35.(New) The method of claim 34 wherein said arranging step includes assembling said coupling devices to transmit optical waves there between with said wave modifying element positioned in the beam path there between.

36.(New) The method of claim 35 wherein said fabricating shaping step is performed by a step chosen from the group of turning and milling.

37.(New) The method of claim 36 wherein in said fabricating step after said step chosen from the group of turning and milling is performed a step of polishing.